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**Department of Forensic Science  
Breath Alcohol Section  
Instrument Maintenance History  
1/1/1990 To 6/10/2014**

**Instrument Serial Number: 010460** **As of 10-Jun-14**

<b>Maintenance</b>	<b>Certification</b>	<b>Technician</b>	
<b>Date</b>	<b>Date</b>	<b>Initials</b>	<b>Remarks</b>
04-Jun-14	24-Jan-14	SED (24178)	REPLACED UPS BACK-UP BATTERY.
05-Feb-14	24-Jan-14	HMS (18910)	REPLACED DRY GAS STANDARD, REPLACED PRINTER RIBBON.
24-Jan-14	24-Jan-14	DBH (21250)	CERTIFIED. REPLACED DRY GAS STANDARD.
07-Aug-13	07-Aug-13	DBH (21250)	FIRMWARE/SOFTWARE UPGRADE. CALIBRATED AND CERTIFIED. REPLACED DRY GAS STANDARD.
20-Feb-13	20-Feb-13	DBH (21250)	CERTIFIED. REPLACED DRY GAS STANDARD.
05-Sep-12	05-Sep-12	DBH (21250)	CERTIFIED. REPLACED DRY GAS STANDARD.
23-Mar-12	23-Mar-12	DBH (21250)	REPLACED PRINTER RIBBON. CERTIFIED
22-Feb-12	27-Sep-11	DBH (21250)	REPLACED DRY GAS STANDARD.
27-Sep-11	27-Sep-11	DBH (21250)	CERTIFIED
27-Jun-11	12-Apr-11	DBH (21250)	REINSTALLED DRY GAS STANDARD
13-Jun-11	12-Apr-11	DBH (21250)	REMOVED DRY GAS STANDARD
12-Apr-11	12-Apr-11	DBH (21250)	REPLACED DRY GAS STANDARD, CERTIFIED
27-Oct-10	27-Oct-10	DBH (21250)	CERTIFIED
10-May-10	10-May-10	DBH (21250)	CERTIFIED
11-Dec-09	11-Dec-09	DBH (21250)	CERTIFIED
09-Dec-09	09-Dec-09	DBH (21250)	CERTIFIED
09-Oct-09	09-Oct-09	SED (24178)	CERTIFIED.
12-Aug-09	12-Aug-09	NMJ (22392)	REPLACED TANK TOP LID, CERTIFIED.
15-Apr-09	15-Apr-09	DBH (21250)	FIRMWARE/SOFTWARE UPGRADE, CERTIFIED.
07-Jan-09	07-Jan-09	DBH (21250)	CERTIFIED.
01-Dec-08	01-Dec-08	NMJ (22392)	CALIBRATED, CERTIFIED AND ACCEPTED.

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**Department of Forensic Science**  
**Breath Alcohol Section**  
**Instrument Maintenance History**  
**1/1/1990 To 6/5/2014**

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24-Jan-14	24-Jan-14	DBH (21250)	CERTIFIED. REPLACED DRY GAS STANDARD.
07-Aug-13	07-Aug-13	DBH (21250)	FIRMWARE/SOFTWARE UPGRADE. CALIBRATED AND CERTIFIED. REPLACED DRY GAS STANDARD.
20-Feb-13	20-Feb-13	DBH (21250)	CERTIFIED. REPLACED DRY GAS STANDARD.
05-Sep-12	05-Sep-12	DBH (21250)	CERTIFIED. REPLACED DRY GAS STANDARD.
23-Mar-12	23-Mar-12	DBH (21250)	REPLACED PRINTER RIBBON. CERTIFIED
22-Feb-12	27-Sep-11	DBH (21250)	REPLACED DRY GAS STANDARD.
27-Sep-11	27-Sep-11	DBH (21250)	CERTIFIED
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Corrected date to June 4, 2014  
 Nuse 6/10/14

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# INTOX EC/IR II Quality Assurance Worksheet

Instrument Serial Number 010460 Worksheet Start Date 6/4/2014  
Location Newport News Pentran  
Address 150 35th St Newport News, VA 23607  
DFS Technician Sarah Dersch License No. 24178

☐ Laboratory

☒ On-Site

Site Specification: No detrimental environmental conditions exist. ☒

Instrument Barometer (mm HG) 754 Reference Barometer (mm HG) 757  
Reference Barometer(RB)Serial # 009111 RB Calibration Due 5/19/2015

## Measurement Assurance Check

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.302
0.300	0.298	0.289	0.306	Sample 2	0.301
Precision		sample min	sample max	Sample 3	0.300
0.002		0.300	0.302		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.099
0.100	0.099	0.096	0.102	Sample 2	0.099
Precision		sample min	sample max	Sample 3	0.099
0		0.099	0.099		

Dry gas standard Lot No. (with tank no.) AG316301-24

☐ Replaced dry gas standard (+O-ring)

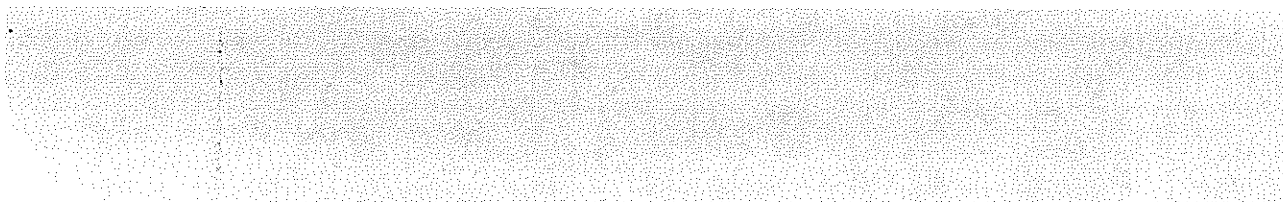
☐ Installed at Location

☐ Removed to DFS-Central

Supplies  
Mouthpieces  
Certificates of Analysis  
Operator Worksheet  
Other:



Notes:



Instrument Serial Number

010460

Certification Date

☐ Calibrated☐ Certified☒ Measurement Assurance Check☒ Instrument Test☐ Troubleshooting/Maintenance Worksheet Completed

(Successful completion denotes satisfactory condition of the item.)

Standard (sea level)	PA Target	minimum	maximum	Sample 1
0.250		0.000	0.000	Sample 2
Precision		sample min	sample max	Sample 3
0		0.000	0.000	

Standard (sea level)	PA Target	minimum	maximum	Sample 1
0.150		0.000	0.000	Sample 2
Precision		sample min	sample max	Sample 3
0		0.000	0.000	

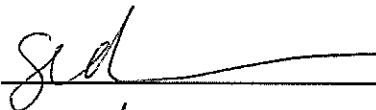
Standard (sea level)	PA Target	minimum	maximum	Sample 1
0.080		-0.003	0.003	Sample 2
Precision		sample min	sample max	Sample 3
0		0.000	0.000	

Standard (sea level)	PA Target	minimum	maximum	Sample 1
0.020		-0.003	0.003	Sample 2
Precision		sample min	sample max	Sample 3
0		0.000	0.000	

All measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

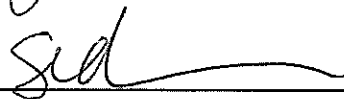
DFS Technician



Date

6/12/14

Issuing Analyst



Date

6/12/14

MMB

Intox EC/IR-II: Accuracy Check

JK

Department of Forensic Science

Serial Number: 010460      Test Number: 2016  
Test Date: 06/04/2014      Test Time: 11:35 EDT  
Dry Gas Target: 0.298

Lot Number: AG334603-03      Exp Date: 12/12/2015  
Tank Pressure: 536 psi      Barometric Pressure: 754 mmHg  
System Check: Passed

Test	q/210L	Time
BLK	0.000	11:36
CHK	0.302	11:37
BLK	0.000	11:38
CHK	0.301	11:39
BLK	0.000	11:41
CHK	0.300	11:42

Test Status: Success

Calibration CRC: 4C36F00B

Replaced UPS Back-up battery  
prior to turning on instrument.

6/4/14 sed

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Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010460 Test Number: 2017

Test Date: 06/04/2014 Test Time: 11:46 EDT

Dry Gas Target: 0.099

Lot Number: AG316301-24 Exp Date: 06/12/2015

Tank Pressure: 379 psi Barometric Pressure: 754 mmHg

System Check: Passed

Test	q/210L	Time
BLK	0.000	11:47
CHK	0.099	11:48
BLK	0.000	11:49
CHK	0.099	11:50
BLK	0.000	11:51
CHK	0.099	11:52

Test Status: Success

Calibration CRC: 4C36F00B



COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS  
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED	NAME OF COURT
<b>INSTRUMENT, TEST,</b>	<b>DFS</b>

BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY		AGENCY
<b>DERSCH, SARAH, E</b>		<b>DFS Central Lab</b>
DFS LICENSE NUMBER	LICENSE EXPIRES	DATE TEST CONDUCTED
<b>24178</b>	<b>10/01/2014</b>	<b>06/04/2014</b>
TEST EQUIPMENT NUMBER		
<b>010460</b>		

RESULTS: TIME SAMPLE TAKEN 12:01 EDT

SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_\_\_\_.

BREATH TEST OPERATOR
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☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS \_\_\_\_\_ SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS \_\_\_\_\_ OPERATOR'S SIGNATURE